LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 094197-1216 - Front Differential

Sample No: LH0284140

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAMPLE	INFORMATION				
Sample Number	LH0284140	LH0270001	LH0251215	LH0225154	
Sample Date	18 Mar 2024	01 Nov 2023	13 Mar 2023	06 Oct 2022	
Machine Hours	25297	23554	22266	21039	
Oil Hours	0	0	0	0	
Oil Changed	Changed	Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL	
OIL CONDITION					
Visc @ 40°C cS		186	180	180	
4					

CONTAMINATION						
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0	O 2	O <1	O <1	
Sodium	ppm	1	O 2	1	3	
Potassium	ppm	0	O <1	O 0	O 0	

WEAR METALS					
Iron	ppm	4	5	5	8
Copper	ppm	○ <1	O 1	O <1	O 1
Lead	ppm	0	0	O 0	0
Tin	ppm	0	O 0	0	O 0
Aluminum	ppm	0	0	0	O <1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	O 0	0
Nickel	ppm	0	O <1	O <1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	O <1	0	O 0
Manganese	ppm	0	O 0	O <1	O <1
Vanadium	ppm	0	0	0	0

vanadium	ppm	0	0	U	0
ADDITIVES					
Calcium	ppm	5	6	O 2	O 5
Magnesium	ppm	○ <1	O <1	0	0
Zinc	ppm	4	6	O 2	3
Phosphorus	ppm	2238	2411	2392	2487
Barium	ppm	0	O <1	O 0	O 0
Boron	ppm	0	1	<1	2



INDUSTRIES GDS INC. 207 ROUTE 295 VILLE-DEGELIS, QC CA G5T 1R1

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F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: INDVIL
Unique No: 5748947
Signed: Wes Davis
Report Date: 21 Mar 2024

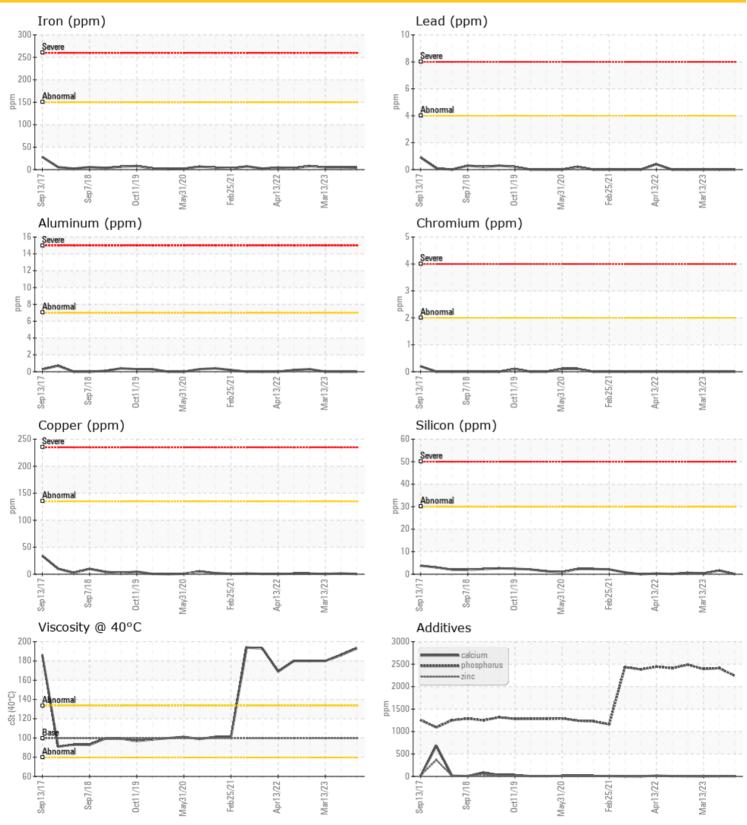
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GRAPHS



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Submitted By: ?